

# Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: April 25-26, 2007

Reference No.: 2.5f.(1)  
Information Item

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Chief Financial Officer

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Budgets

Subject: **INFORMATIONAL REPORT - EMERGENCY G-11 ALLOCATIONS**

## **SUMMARY:**

Since the period reported at the last California Transportation Commission (Commission) meeting, the Department of Transportation (Department) allocated \$7,560,000 for 13 emergency construction projects described on the attached list, pursuant to the authority granted by Resolution G-11.

As of March 22, 2007, a total of \$96,036,000 for 65 emergency construction projects has been allocated in Fiscal Year (FY) 2006-07.

Projects listed below are ineligible for federal Emergency Relief (ER) funding, unless otherwise stated.

Project #1. In Humboldt County, on Route 96 near Willow Creek, from 0.1 mile to 0.3 mile east of Sidehill Viaduct #4-289. On March 2, 2007, due to heavy rain, the slope and half of the roadway prism at this location suddenly settled. Significant additional settlement of approximately 3-4 feet occurred on March 6, 2007. One-way traffic control was set in place. Review of the failure determined that the Trinity River, approximately 150 feet below the roadway elevation, was eroding the toe of slope. This project is to provide traffic control, stabilize the site by controlling surface runoff, and stopping the rapid erosion of the toe of slope at river level by placing rock slope protection.

Project #2. In Humboldt County, on Route 96 near Weitchpec, at 1.1 miles east of Slate Creek (Bridge #4-61). On February 25, 2007, following heavy rain, a large rock fall slide occurred at this location. Large rocks, including two that were approximately 15 feet and 19 feet in diameter broke free from the slope above the highway, demolished the rock fall net system and damaged the roadway. The damage caused closure of the highway in both directions for several days. This project is necessary to fully reopen the highway, including repairing the rock fall net system, removing and disposing of rock debris, and repairing the damaged roadway prism.

Project #3. In Humboldt County, on Route 101 near Weott, at 0.5 miles south of the Weott southbound onramp, and also on Route 254 at 0.7 miles south of the Weott Viaduct (Structure #04-298LT). The steep slope between two parallel sections of Routes 254 and 101 failed and blocked travel in both directions on Route 254 and threatened additional damage and undermining to the

Route 101 roadway prism. Route 101 is located on fill slope above and parallel to Route 254. This project involves removing and disposing of slide debris, placing a rock buttress at the toe of the slide, repairing the damage to Route 254 roadway prism, repairing surface drainage systems, and installing subsurface drainage systems on Route 101.

Project #4. In Trinity County, on Route 299 near Douglas City, at 0.5 mile west of Union Hill Road and at the East Junction of Route 3. Heavy rain in February 2007 caused two rockslides, one at postmile (PM) 56 and the other at PM 58.15. This project involves the removing and disposing of the slide material at both sites, reestablishing the shoulder for clear recovery and rock fall storage, replacing a light pole and metal beam guardrail at the second site (PM 58.15), and clearing and opening the affected lanes.

Project #5. In El Dorado County, on Highway 50 near Pollock Pines, approximately 0.3 mile west of Ice House Road. On February 28, 2007, a pine tree fell on an irrigation flume puncturing the flume and causing water to pour out and flow towards the highway. The water flow eroded the highway embankment and deposited approximately 1000 cubic yards of debris on the roadway. This project is to remove material and debris deposited on the roadway, reconstruct the embankment, construct debris flow barrier, and apply erosion control.

Project #6. In Placer County, on Route 80 near Colfax, from 0.2 mile west to 0.1 mile east of Magra Road. Damage to the travel way occurred during the heavy rain in late 2005 and early 2006. The heavy rain created higher than normal groundwater table in the area. Groundwater in combination with high truck traffic produced pumping in the base material causing voids to develop under the concrete pavement slabs and causing the slabs to crack. Initial allocation was for the replacement of a damaged under-drain and damaged Portland Cement Concrete slabs. The project was completed on November 7, 2006. Additional funds are needed to close out the contract.

Project #7. In Placer County, on Route 80 in Nyack, at Putts Lake Road Undercrossing (Bridge #19-0116R). In March 2006, an investigation of the bridge deck revealed spalling and exposure of the top mat of reinforcement. The bridge deck was determined to be in a state of widespread incipient structural failure, particularly in the number two lane. The initial project was to rehabilitate the failing deck by placing a deck on deck structural repair coupled with the installation of steel under-deck forms. The project was completed on November 17, 2006. Additional funds are needed due additional costs in material and traffic control and to close out the contract.

Project #8. In Marin County, on Route 1 near Stinson Beach, at Webb Creek. On December 1, 2006, a 60-inch failed corrugated metal pipe culvert was discovered at this location. Holes along the entire length of the culvert were allowing water to wash material away from around the culvert. If allowed to continue, the loss of material and culvert deterioration will cause collapse of the roadway. This project is to replace the failed culvert.

Project #9. In Santa Clara County, on Route 101 in San Jose, near the Route 880 Junction. On January 16, 2007, it was discovered that high groundwater was causing constant sheet flow on the pavement and creating slippery pavement conditions at this location. This project is to replace existing pumping system with a more reliable and higher capacity system, upgrade the groundwater wells, cap leaking water on the northbound side, repair a damaged 30-inch reinforced concrete pipe

on the southbound side, replace under-drain pumps, and reconstruct the median to prevent flow across the traveled way.

Project #10. In Santa Barbara County, in the city of Santa Barbara, on Castillo Street at Route 101. Rising groundwater during the storms of 2004-2005 caused the pavers at this location to sink and form an uneven pavement surface. This roadway is located near a college, leads to a hotel/beach district, and is heavily frequented by bicyclists. Initial project was for removing the existing pavers, repairing the concrete slab below the pavers, repairing the drainage system, and placing an overlay asphalt layer for a final smooth riding surface. The first supplemental was due to unanticipated increases in material and disposal costs, and discovery of significant deterioration of existing drainage and concrete slab under the pavers. The project was completed in April 2006. Final close out has been delayed due to a lag in submittals of subcontractor invoices to the contractor. Additional funds are needed to close out the contract.

Project #11. In Ventura County, on Route 33 near Oakview, between Old Creek Road and Creek Road. Heavy rain in late December 2004 and early January 2005 caused the San Antonio Creek to overflow its banks. The high waters at the creek caused severe erosion to the base of the fill slope supporting this section of the highway and destabilized the entire fill slope. Major utilities along the fill slope became threatened including telephone, sewer and high-pressure gas lines. Initial project was to divert the creek away from the roadway and place rock slope protection system at the fill slope base to prevent additional stream erosion, and reconstruct the roadway. First supplemental was due to underestimation of the scope of damage and work involved. The second supplemental was needed to comply with the environmental permits of the project to eliminate the invasive “arundo” weed that was disturbed and spread in the waterway by construction activities. Additional funds are needed due to the underestimation of the scope of the “arundo” weed infestation and is needed to close out this contract. This project is eligible for federal ER funding.

Project #12. In Ventura County, on Route 33 in the Los Padres National Forest, approximately 43 miles north of Ojai and 2 miles south of the Santa Barbara County line. In May 2005, heavy winter and spring rain caused a large slipout at this location (PM 55.8) and resulted in the closure of the southbound lane due to severe cracking and settlement. Initial project was for the removal of the unstable slope/slide debris and rebuilding of the damaged roadway. In early 2006, the nearby Cuyama River eroded the roadway toe of slope at a second location, approximately 0.3 mile away from the location of initial damage (PM 56.1). The first supplemental was for repairs at the second slide location and included removing loose slide material, rebuilding of the slope with geogrid fabric reinforcement, placing sub-drains and erosion control netting, and hydroseeding. During construction at the second site, the rebuilt slope suffered two more slide failures in July and August 2006. These two slides undermined the roadway and increased the quantities of grading and slope construction. Additionally, the roadway had to be closed for several days. Additional funds are needed due to additional grading and slope reconstruction costs and to close out this contract.

Project #13. In Merced County, on Route 99 in Livingston, at 0.3 mile south of Cressey Street. In October 2006, a Merced Irrigation District (MID) siphon running under Highway 99 just north of Livingston began to leak and create voids in the roadway slopes on the northbound side. Eroded slope material caused by the leakage can encroach onto the highway. This project is to drain and remove the sediment, pressure wash, and seal approximately 75 feet of the siphon in the northbound

direction. Additional funds were needed because rain, prior to and during construction, required the use of additional pumps to remove and set up diversions to prevent water from entering the siphon. Repairs had to be completed before the start of the irrigation season (March 1).

**BACKGROUND:**

The Commission by Resolution G-11, as amended by Resolution G-00-11, delegated to the Department authority to allocate funds to correct certain situations caused by floods, slides, earthquakes, material failures, slip outs, unusual accidents or other similar events. This immediately allows the Department to begin corrective action in an emergency condition without waiting for the next Commission meeting to receive an allocation.

This authority is operative whenever such an event:

1. Places people or property in jeopardy.
2. Causes or threatens to cause closure of transportation access necessary for:
  - a. Emergency assistance efforts.
  - b. The effective functioning of an area's services, commerce, manufacture or agriculture.
  - c. Persons in the area to reach their homes or employment.
3. Causes either an excessive increase in transportation congestion or delay, or an excessive increase in the necessary distances traveled.

The G-11 Resolution authorizes the Department to allocate funds for follow-up restoration projects associated with and that immediately follow an emergency condition response project.

The G-11 Resolution also requires the Department to notify the Commission, at their next meeting, whenever such an emergency allocation has been made.

Attachment

## 2.5 Highway Financial Matters

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
<b>2.5f.(1) Informational Report – Emergency G-11 Allocations</b>				
1 \$500,000 Humboldt 01U-Hum-96 8.5/8.7	Near Willow Creek, east of Sidehill Viaduct #4-289. Between March 2 and March 6, 2007, following heavy rain, the slope and half of the roadway prism settled approximately three to four feet. This project is to provide traffic control, stabilize the site, and stop rapid erosion of the toe of slope at the Trinity River by placing rock slope protection.	480901 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$500,000  \$500,000
	Initial G-11 Allocation 03/08/07:			\$500,000
2 \$1,000,000 Humboldt 01U-Hum-96 31.0	Near Weitchpec east of Slate Creek (Bridge #4-61). On February 25, 2007, following heavy rain, a large rock fall slide demolished the rock netting system and damaged the roadway. This project is to repair the rock netting system, remove and dispose of rock debris, and repair the damaged roadway prism.	480601 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$1,000,000  \$1,000,000
	Initial G-11 Allocation 03/02/07:			\$1,000,000
3 \$1,700,000 Humboldt 01U-Hum-101 32.6, 17.09	Near Weott, on Route 101 south of the Weott southbound onramp and also on Route 254 south of the Weott Viaduct. On February 22, 2007, the steep slope between two parallel sections of Routes 254 and 101 failed blocking travel in both directions on Route 254 and threatening to undermine the Route 101 roadway prism. This project is to remove and dispose of slide debris, place a rock buttress at the toe of the slide, repair the damage to Route 254 roadway prism, repair surface drainage systems and install subsurface drainage systems on Route 101.	480701 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$1,700,000  \$1,700,000
	Initial G-11 Allocation 03/02/07:			\$1,700,000
4 \$250,000 Trinity 02U-Tri-299 56.0, 58.1	Near Douglas City, west of Union Hill Road and at the East Junction of Route 3. Heavy rain in February 2007 caused rockslides at two locations. This project is to remove and dispose of the slide material at both sites, replace a light pole and metal beam guardrail at the second site, and clear and open the affected lanes.	4C9101 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$250,000  \$250,000
	Initial G-11 Allocation 03/08/07:			\$250,000
5 \$250,000 El Dorado 03U-ED-50 39.2/39.4	Near Pollock Pines, west of Ice House Road. On February 28, 2007, a pine tree fell on an irrigation flume puncturing the flume and causing water to pour out and flow towards the highway. The water deposited debris on the highway and eroded highway embankment. This project is to remove the debris, reconstruct embankment, construct debris flow barrier, and apply erosion control.	3E7101 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$250,000  \$250,000
	Initial G-11 Allocation 03/06/07:			\$250,000
6 \$50,000 Placer 03U-Pla-80 37.6/37.8	Near Colfax, at Magra Road. Heavy rain in 2005-2006 raised groundwater table in the area resulting in damage to the concrete pavement slabs. Initial allocation was to replace a damaged under-drain and damaged concrete slabs. This supplemental is needed to close out the contract.	1E8601 SHOPP Emergency	2006-07 302-0042 20.20.201.130	\$50,000  \$50,000
	Initial G-11 Allocation 08/08/06:			\$500,000
	Supplemental G-11 Allocation 02/21/07:			\$50,000
	Revised Allocation:			\$550,000

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<b>2.5f.(1) Informational Report – Emergency G-11 Allocations</b>				
7 \$60,000 Placer 03N-Pla-80 54.8	In Nyack, at Putts Lake Road (Bridge #19-0116R). In March 2006, an investigation of the bridge deck revealed spalling and exposure of the top mat of reinforcement. Initial project was to rehabilitate the failing deck by placing a deck on deck structural repair coupled with the installation of steel under-deck forms. This supplemental is needed to close out the contract.  Initial G-11 Allocation 04/27/06: \$750,000 Supplemental G-11 Allocation 02/16/07: \$60,000 Revised Allocation: \$810,000	2M6401 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$60,000  \$60,000
8 \$500,000 Marin 04U-Mrn-1 11.05	Near Stinson Beach, at Webb Creek. On December 1, 2006, a 60-inch failed corrugated metal pipe (CMP) culvert was discovered at this location. This project is to replace the failed culvert.  Initial G-11 Allocation 02/20/07: \$500,000	3S8801 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$500,000  \$500,000
9 \$1,000,000 Santa Clara 04U-SCI-101 37.8/38.2	In San Jose, near Route 880 Junction. On January 16, 2007, it was discovered that high groundwater was causing a constant water sheet flow onto the pavement. The constantly seeping water coupled with recent freezing weather creates slippery pavement conditions. This project is to replace the existing pumping system, upgrade the groundwater wells, cap off leaking facilities, repair damaged 30-inch concrete pipe, and reconstruct the median to prevent flow across the traveled way.  Initial G-11 Allocation 02/28/07: \$1,000,000	3S8901 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$1,000,000  \$1,000,000
10 \$50,000 Santa Barbara 05U-SB-101 14.9	In Santa Barbara, at Castillo Street. Rising groundwater in late 2004 and early 2005 caused the pavers at this location to sink and form uneven pavement surface for motorists and bicyclists. Initial project was to replace the pavers with a floating concrete slab. The first supplemental was due to unanticipated increases in material and disposal costs, and discovery of badly damaged drainage system under the pavement. This supplemental is needed to close out the contract.  Initial G-11 Allocation 04/18/05: \$3,000,000 1 <sup>st</sup> Supplemental G-11 Allocation 04/11/06: \$375,000 2 <sup>nd</sup> Supplemental G-11 Allocation 02/28/07: \$50,000 Revised Allocation: \$3,425,000	0M7201 SHOPP Emergency	2006-07 302-0042 302-0890 20.20.201.130	\$6,000 \$44,000 \$50,000
11 \$300,000 Ventura 07U-Ven-33 7.8/8.0	Near Oakview, between Old Creek Road and Creek Road. Initial allocation was to reconstruct fill slope eroded by San Antonio Creek during 2004-2005 storms. The first supplemental was due to underestimation of the initial damage. The second supplemental was needed to control the spread of invasive "arundo" weed disturbed by construction activities near the creek. This supplemental is due to underestimation of the extent of weed infestation and to close out this contract.  Initial G-11 Allocation 03/17/05: \$4,000,000 1 <sup>st</sup> Supplemental G-11 Allocation 09/14/05: \$1,200,000 2 <sup>nd</sup> Supplemental G-11 Allocation 02/01/06: \$500,000 3 <sup>rd</sup> Supplemental G-11 Allocation 02/20/07: \$300,000 Revised Allocation: \$6,000,000	4K6301 SHOPP Emergency	2006-07 302-0042 302-0890 20.20.201.130	\$35,000 \$265,000 \$300,000

## 2.5 Highway Financial Matters

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
<b>2.5f.(1) Informational Report – Emergency G-11 Allocations</b>				
12 \$1,600,000 Ventura 07U-Ven-33 55.8, 56.1	North of Ojai, in the Los Padres National Forest. In May 2005, heavy winter and spring rain caused a slip-out at PM 55.8. Initial project was for rebuilding the damaged roadway. In early 2006, the nearby Cuyama River eroded the roadway at a nearby location (PM 56.1). The first supplemental was for the rebuilding of the slope at PM 56.1. This supplemental is due to two additional slope failures at PM 56.1 resulting in an increase in roadway and slope reconstruction.	4L3401 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$1,600,000  \$1,600,000
	Initial G-11Allocation 08/17/05: \$3,000,000 1 <sup>st</sup> Supplemental G-11 Allocation 04/27/06: \$2,100,000 2 <sup>nd</sup> Supplemental G-11 Allocation 02/20/07: \$1,600,000 Revised Allocation: \$6,700,000			
13 \$300,000 Merced 10U-Mer-99 R29.9	In Livingston, south of Cressey Street. In October 2006, a Merced Irrigation District (MID) siphon under Highway 99 began to leak and create voids in the roadway. Initial project was to drain, pressure wash, and seal approximately 75 feet of the siphon. This supplemental allocation is needed because rain, prior to and during construction, required the use of additional pumps to remove and set up diversions to prevent water from entering the siphon.	0Q5001 SHOPP Emergency	2004-05 302-0042 20.20.201.130	\$300,000  \$300,000
	Initial G-11Allocation 02/20/07: \$200,000 Supplemental G-11 Allocation 02/28/07: \$100,000 Revised Allocation: \$300,000			